

## Safety Data Sheet

Date of Issue: 5/13/15

Revision Number 1

## SECTION 1-PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifier

Product Name: Bug Check FC

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: Laboratory chemicals

Uses advised against: No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer's Name: Avalon International Corporation

Address: 317 Lockwood Avenue, Northfield, IL 60093

Telephone Number for Information: 847-446-9986

Email address: info@bugcheck.us

1.4. Emergency telephone number: 847-446-9986

## SECTION 2 - HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

CLP Classification - Regulation (EC) No 1272/2008: Not hazardous

Physical hazards: Based on available data, the classification criteria are not met

Health hazards: Based on available data, the classification criteria are not met

Environmental hazards: Based on available data, the classification criteria are not met

Classification according to EU Directives 67/548/EEC or 1999/45/EC, R-phrases: none

*For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16*2.2. Label elements, Signal Word: None

Hazard Statements

Precautionary Statements

2.3. Other hazards: No information available

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Component	CAS-No	EC-No.	Weight%	CLP Classification-	DSD Classification-
				Regulation (EC) No	67/548/EEC
NONHAZARDOUS	NA		100	1272/2008	67/548/EEC

*For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16*

## SECTION 4 - FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

Inhalation: Move to fresh air. Get medical attention immediately if symptoms occur.

Protection of First-aiders: No information available..

4.2. Most important symptoms and effects, both acute and delayed

None reasonably foreseeable.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

## SECTION 5 - FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which must not be used for safety reasons: No information available.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors  
Hazardous Combustion Products: None under normal use conditions

5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

6.2. Environmental precautions

Should not be released into the environment.

6.3. Methods and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal.

6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

SECTION 7 - HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

Avoid ingestion and inhalation.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Use in laboratories.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1. Control parameters

Exposure limits: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological limit values: This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Monitoring methods: BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust

Derived No Effect Level (DNEL): No information available.

<u>Route of Exposure</u>	<u>Acute effects (local)</u>	<u>Acute effects (systemic)</u>	<u>Chronic effects (local)</u>	<u>Chronic effects (systemic)</u>
Oral				
Dermal				
Inhalation				

Predicted No Effect Concentration (PNEC): No information available.

8.2. Exposure controls

Engineering Measures: Ensure adequate ventilation, especially in confined areas. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimize release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.

Personal protective equipment

Eye Protection: Safety glasses with side-shields (European standard - EN 166)

Hand Protection: Protective gloves

<u>Glove material</u>	<u>Breakthrough time</u>	<u>Glove thickness</u>	<u>EU Standard</u>	<u>Glove Comments (minimum requirements)</u>
Disposable gloves	See manufacturers recommendations		EN 374	

Inspect gloves before use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves (refer to manufacturer/supplier for information). Ensure gloves are suitable for the task: Chemical compatibility

Dexterity, Operational conditions, User susceptibility, e.g. sensitization effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Remove gloves with care avoiding skin contamination.

Skin and body protection: Long sleeved clothing

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly.

Large scale/emergency use: In case of insufficient ventilation wear suitable respiratory equipment

Small scale/Laboratory use: Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. When RPE is used a face piece Fit Test should be conducted.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: No information available.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance: Multiple Colors

Physical State: Solid

Odor: No information available

Odor Threshold: No data available

pH: Not applicable

Melting Point/Range: No data available

Softening Point: No data available

Boiling Point/Range: Not applicable

Flash Point: Not applicable

Method: No information available.

Evaporation Rate: Not applicable

Solid

Flammability (solid,gas): No information available.

Explosion Limits: No data available

Vapor Pressure: No data available

Vapor Density: Not applicable

Solid

Specific Gravity / Density: No data available

Bulk Density: No data available

Water Solubility: No information available.

Solubility in other solvents: No information available.

Partition Coefficient (noctanol/water)

Autoignition Temperature: Not applicable

Decomposition temperature: No data available

Viscosity: Not applicable

Solid

Explosive Properties: No information available

Oxidizing Properties: No information available

### 9.2. Other information

## SECTION 10 - STABILITY AND REACTIVITY

10.1. Reactivity: None known, based on information available.

10.2. Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous Polymerization: Hazardous polymerization does not occur.

Hazardous Reactions: None under normal processing..

10.4. Conditions to avoid: Incompatible products, Excess heat, Avoid dust formation

10.5. Incompatible materials: Strong oxidizing agents.

10.6. Hazardous decomposition products: None under normal use conditions

## SECTION 11 - TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Product Information: Product does not present an acute toxicity hazard based on known or supplied information

(a) acute toxicity;

Oral: Not Classified

Dermal: Not Classified

Inhalation: Not Classified

Toxicology data for the components

(b) skin corrosion/irritation: Not Classified

(c) serious eye damage/irritation: Not Classified

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(d) respiratory or skin sensitization;  
Respiratory: Not Classified  
Skin: Not Classified  
(e) germ cell mutagenicity: Not Classified  
(f) carcinogenicity: Not Classified  
There are no known carcinogenic chemicals in this product  
(g) reproductive toxicity: Not Classified  
(h) STOT-single exposure: Not Classified  
(i) STOT-repeated exposure: Not Classified  
Target Organs: None known.  
(j) aspiration hazard: Not Classified  
Symptoms / effects, both acute and delayed: no information available

## SECTION 12 - ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecotoxicity effects: Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

12.2. Persistence and degradability: Expected to be biodegradable

12.3. Bioaccumulative potential: No information available.

12.4. Mobility in soil: No information available.

12.5. Results of PBT and vPvB assessment: No data available for assessment

### 12.6. Other adverse effects

Endocrine Disruptor Information: This product does not contain any known or suspected endocrine disruptors

Persistent Organic Pollutant: This product does not contain any known or suspected substance

Ozone Depletion Potential: This product does not contain any known or suspected substance

## SECTION 13 - DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Waste from Residues / Unused Products: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Contaminated Packaging: Empty remaining contents. Dispose of in accordance with local regulations. Do not re-use empty containers.

European Waste Catalogue (EWC): According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

Other Information: Waste codes should be assigned by the user based on the application for which the product was used

## SECTION 14 - TRANSPORT INFORMATION

IMDG/IMO: Not regulated

### 14.1. UN number

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

### 14.4. Packing group

ADR: Not regulated

### 14.1. UN number

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

### 14.4. Packing group

IATA: Not regulated

### 14.1. UN number

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

### 14.4. Packing group

14.5. Environmental hazards: No hazards identified

14.6. Special precautions for user: No special precautions required

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable. packaged goods

## SECTION 15 - REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories: X = listed

National Regulations

Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

Take note of Dir 94/33/EC on the protection of young people at work

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

15.2. Chemical safety assessment

Chemical Safety Assessment/Reports (CSA/CSR) are not required for mixtures

**SECTION 16 - OTHER INFORMATION**Full text of R-phrases referred to under sections 2 and 3: Not applicableFull text of H-Statements referred to under sections 2 and 3: Not applicableLegend

CAS - Chemical Abstracts Service

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Existing and Evaluated Chemical Substances

WEL - Workplace Exposure Limit

ACGIH - American Conference of Industrial Hygiene

DNEL - Derived No Effect Level

RPE - Respiratory Protective Equipment LD50 - Lethal Dose 50%

LC50 - Lethal Concentration 50%

NOEC - No Observed Effect Concentration

PBT - Persistent, Bioaccumulative, Toxic

ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code

OECD - Organisation for Economic Co-operation and Development

BCF - Bioconcentration factor

VOC - Volatile Organic Compounds

DSL/NDSL - Canadian Domestic Substances List/  
Non-Domestic Substances List

ENCS - Japan Existing and New Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand

TWA - Time Weighted Average

IARC - International Agency for Research on Cancer

PNEC - Predicted No Effect Concentration

LD50 - Lethal Dose 50%

EC50 - Effective Concentration 50%

POW - Partition coefficient Octanol:Water

vPvB - very Persistent, very Bioaccumulative

ICAO/IATA - International Civil Aviation Organization/  
International Air Transport AssociationMARPOL - International Convention for the Prevention  
of Pollution from Ships

ATE - Acute Toxicity Estimate

TSCA - United States Toxic Substances Control Act  
Section 8(b) Inventory

Key literature references and sources for data

Suppliers safety data sheet,

Chemadvisor - LOLI,

Merck index,

RTECS

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards: On basis of test data

Health Hazards: Calculation method

Environmental hazards: Calculation method

Training Advice: Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal

Protective Equipment (PPE) and hygiene.

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Revision Summary

Reason for revision: Update to Format

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer:

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End of Safety Data Sheet